

AMENDMENTS TO THE CLAIMS

1-24. (Cancelled)

25. (Currently Amended) A printed circuit board design instruction support device that supports printed circuit board design between a circuit design and a printed circuit board design, said device comprising:

means for reading a circuit diagram designed by the circuit design;

means for storing design instruction information regarding the printed circuit board design and keywords, which are associated with said design instruction information and set corresponding to the type of items included in said circuit diagram; and

means for extracting keywords corresponding to the type of items included in the read circuit diagram and displaying design instruction information associated with the extracted keywords, when the circuit diagram is read by said reading means

~~means for displaying design instruction information regarding previously fixed printed circuit board design based on a circuit diagram designed by a circuit design.~~

26. (Currently Amended) The printed circuit board design instruction support device according to claim 25, wherein

said display displaying means displays keywords, which are associated with said design instruction information and set based on the type of items regarding a circuit design, together with said design instruction information corresponding to the type of items included in the read circuit diagram when the circuit diagram is read by said reading means.

27. (Canceled)

28. (Currently Amended) The printed circuit board design instruction support device according to claim [[27]] 25, ~~wherein said device comprising:~~

~~said extraction means extracts damping resistances being items included in said circuit diagram and target ICs of the resistances based on the part attribute of the damping resistances and the wiring connection information of the damping resistances~~

means for extracting damping resistances and target ICs of the resistances from the circuit diagram read said reading means, by extracting resistances, which have an attribute of series connection, from the circuit diagram read by said reading means and discriminating whether or not items connected to the pins of the extracted resistances are ICs.

29. (Currently Amended) The printed circuit board design instruction support device according to claim [[27]] 25, ~~wherein said device comprising:~~

~~said extraction means extracts bypass capacitors being items included in said circuit diagram and target ICs of the capacitors based on the wiring connection information of the bypass capacitors~~

means for extracting bypass capacitors and target ICs of the capacitors from the circuit diagram read by said reading means, by extracting capacitors, which are connected to a power source and ground, from the circuit diagram read by said reading means and discriminating

whether or not the extracted capacitors are capacitors connected to IC toward the power source side.

30. (Currently Amended) The printed circuit board design instruction support device according to claim ~~[[27]]~~ 29, wherein

said extraction means when the extracted capacitors are connected to a plurality of ICs, extracts an IC having the shortest connecting distance out of the ICs ~~extracts bypass capacitors being items included in said circuit diagram and target ICs of the capacitors based on the arrangement positional information of the bypass capacitors and the wiring connection information of the bypass capacitors.~~

31. (Currently Amended) The printed circuit board design instruction support device according to claim 29, wherein

said extraction means extracts the bypass capacitors ~~being items included in said circuit diagram, the~~ target ICs of the capacitors, and the information of wiring connecting the both parts from the circuit diagram read by said reading means.

32. (Currently Amended) The printed circuit board design instruction support device according to claim ~~[[27]]~~ 26, said device comprising:

means for extracting items included in the circuit diagram read by said reading means;
and

means for associating items that were extracted ~~based on~~ by said extraction means with said design instruction information via said keywords, wherein

said display means displays the items associated by said association means.

33. (Currently Amended) The printed circuit board design instruction support device according to claim 32, wherein

said reading means reads a printed circuit board diagram designed by the printed circuit board design, said device comprising:

means for selecting items or keywords displayed by said display means; and

means for highlighting items on ~~[[a]]~~ the printed circuit board diagram read by said reading means ~~designed by a printed circuit board design~~, which correspond to items selected by said selection means, when the items are selected by said selection means, and highlighting items associated with the keywords on said printed circuit board diagram read by said reading means, which ~~correspond~~ corresponds to keywords selected by said selection means, when keywords are selected by said selection means.

34. (Currently Amended) The printed circuit board design instruction support device according to claim 32, said device comprising:

means for selecting items or keywords displayed by said display means; and

means for highlighting items on said circuit diagram read by said reading means, which correspond to items selected by said selection means, when the items are selected by said selection means, and highlighting items associated with keywords on said circuit diagram read

by said reading means, which correspond to keywords selected by said selection means, when the keywords are selected by said selection means.

35. (Currently Amended) The printed circuit board design instruction support device according to any one of claims 33 and 34, said device comprising:

means for executing macro that performs control such that said display means displays the entire circuit diagram read by said reading means before items are highlighted by said highlight means, macro that performs control such that said display means displays highlighted items in an enlarged manner after the items were highlighted by said highlight means, or macro that performs control such that said display means displays the entire circuit diagram read by said reading means before items are highlighted by said highlight means and said display means displays highlighted items in an enlarged manner after the items were highlighted by said highlight means ~~supports check in printed circuit board design before items are highlighted, after items are highlighted, or before and after items are highlighted by said highlight means.~~

36. (Currently Amended) The printed circuit board design instruction support device according to any one of claims 25, 26, [[27,]] 28, 29, 30, 31, 32, 33 and 34, said device comprising:

means for managing whether or not a printed circuit board design was performed according to said design instruction information, by accepting the input of a result in which said design instruction information was reflected on the printed circuit board design and accepting an authorization to said result.

37-41. (Canceled)

42. (Currently Amended) A program for allowing a computer to function as the printed circuit board design instruction support device according to ~~claim 25~~ any one of claims 25, 26, 28, 29, 30, 31, 32, 33 and 34.

43. (Previously Presented) A program for allowing a computer to function as the printed circuit board design instruction support device according to claim 35.

44. (Currently Amended) A printed circuit board design instruction support method in which printed circuit board design is supported between a circuit design and a printed circuit board design, said method comprising the step of:

reading a circuit diagram designed by the circuit design;

storing design instruction information regarding the printed circuit board design and keywords, which are associated with said design instruction information and set corresponding to the type of items included in said circuit diagram; and

extracting keywords corresponding to the type of items included in the read circuit design and displaying design instruction information associated with the extracted keywords, when the circuit design is read by said reading means

~~displaying design instruction information regarding previously fixed printed circuit board design based on a circuit diagram designed by a circuit design.~~

45. (Currently Amended) A program for allowing a computer to ~~execute~~ function as the printed circuit board design instruction support ~~method~~ device according to claim 44.

46. (Previously Presented) A computer-readable recording medium recording the program according to claim 42.